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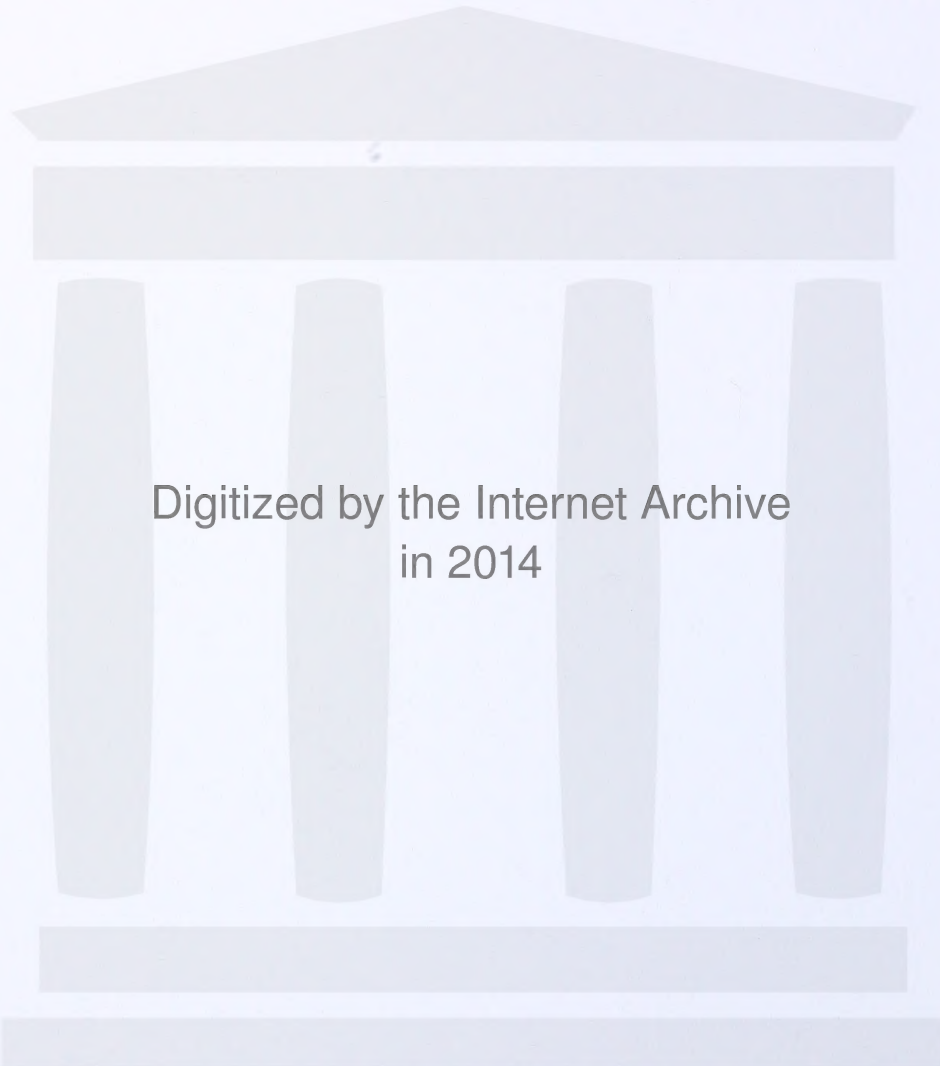
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ALBERTA POPULATION GROWTH

SECOND QUARTER, 1986

Alberta

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October, 1986

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PREFACE

This publication presents up-to-date information on quarterly population estimates and population growth components (births, deaths and migration) for the province of Alberta. These statistics are derived using administrative data files obtained from several government agencies.

Annual revision of the postcensal estimates taking advantage of the most recent data will be incorporated in the first quarter's edition. The second quarter's report provides an additional section on the age-sex composition of the June population and a description of methodology in the Appendix.

Data are also computer-accessible via ASIST (Alberta Statistical Information System) matrices #6128, 6130 and 6131. Enquiries concerning the publication or requests for additional copies or previous quarterly reports should be directed to:

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TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
REVIEW OF THE DATA	1

List of Tables and Figures

Tables

1. Population Growth by Major Component, Alberta, 1982 to 1986	7
2. Migration by Component, Alberta, 1984 to 1986	8
3. Population Exchange With Other Provinces, Alberta, 1984 to 1986 ...	9
4. Natural Increase by Component, Alberta, 1984 to 1986	12
5. Population Estimates by Five-Year Age Group and Sex, Alberta, June 1, 1985 and 1986	13

Figures

1. Population Growth with Major Components, Alberta, 1984 to 1986	4
2. Quarterly Interprovincial Migration, Alberta, 1984 to 1986	5
3. Population Exchange, Alberta and Other Provinces, Second Quarter, 1986	6

Appendices

1. Methodology	15
2. Glossary	22

INTRODUCTION

This publication presents estimated population and growth components (births, deaths and migration) for Alberta for the second quarter of 1986. Information on interprovincial migration between Alberta and other provinces, as well as the June population by five-year age group and sex for 1985 and 1986 is provided.

Reviewed in the next section are recent population trends and an analysis of the age-sex composition. A quick reference on the major growth components, quarterly interprovincial migration and current population exchange between Alberta and other provinces is presented in three figures. Detailed population statistics are contained in the five main tables.

As a regular feature for each second quarter report, a detailed description of methodology for generating the population estimates is included in the Appendix.

REVIEW OF THE DATA

The population of Alberta recorded less growth in the second quarter compared to the first quarter. The smaller increase was due primarily to a change from net interprovincial in-migration to net out-migration. Despite slower quarterly growth, Alberta's population increased substantially more over the year ending July 1, 1986, than in the previous year. A review of the province's age structure shows a continuing aging of the population with slight declines in some of the younger age groups over the past year.

More specifically:

- Alberta's population grew by 6,200 during the second quarter, one third less than the growth of 9,400 in the previous quarter (Figure 1 and Table 1).
- The reduced second quarter growth reflects a shift in net migration from a first quarter inflow of 2,300 to an outflow of 2,000 in the second quarter.

- During the quarter, Alberta had total in-migration of 14,500 persons from other provinces and total out-migration of 17,500 to other provinces (Figure 2 and Table 3). These movements generated a net interprovincial out-migration of 3,000. British Columbia, similar to the preceding quarter, was the main source of Alberta's in-migrants (5,835 or 40%) and, as well, the most frequent destination for Alberta's out-migrants (5,960 or 34%) (Figure 3).
- The loss from interprovincial migration was more than offset by the other growth components. Net international migration (immigrants minus emigrants) contributed 1,100 persons to the province (Table 2). In addition to international migration, the natural increase (births less deaths) added 8,200 persons to the population during the second quarter (Table 4).
- On an annual basis, the population of Alberta grew by 26,700 (1.1%) to a level of 2,385,200 on July 1, 1986. This was substantially higher than the growth of 7,500 (0.3%) in the twelve-month period ending July 1, 1985.
- The increased population growth for the recent twelve months is attributed to a reduction in the volume of net interprovincial out-migration which declined from 27,700 to 6,700 over the past two years (Tables 2 and 3).
- Between July 1, 1985 and July 1, 1986, a total of 74,900 persons moved to Alberta from other provinces, while 81,600 left for other parts of Canada, resulting in the net loss of 6,700.
- Net international migration for the 1985-86 period was estimated at 3,100, which is a slight decrease as compared to 3,900 recorded a year ago.

- The level of natural increase has declined for the past two years, from 31,300 in the previous year to 30,300 for the current year ending July 1, 1986.
- From June 1985 to June 1986, the population structure of Alberta continued to age as the elderly population expanded and the young population contracted. The 0-14 age group shrank to 23.9% of the total population from 24.1% in 1985 and the 65-and-over age group grew to 8.1% from 7.9% in the previous year (Table 5).
- The distribution of the working age group (15-64) also shifted, but only slightly. While the younger working population (15-24) decreased marginally to 17.3% from 17.8%, the mid-age (25-44) and the older (45-64) working age groups expanded slightly to 34.4% from 34.0% and to 16.3% from 16.2%, respectively.
- The overall aging of the Alberta population is further confirmed by a rise in the median age from 28.6 to 29.0 during the past year. The change in the median age is attributed to lower fertility rates and the aging of the baby-boom generation.
- The changing pattern of the age structure is also indicated by the shift of child and elderly dependency ratios, defined as the proportion of population 0-14 and 65+ to the population aged 15-64. The child dependency ratio dropped slightly from 35.4% in the previous year to 35.2% in the current year. Concurrently, the old age dependency ratio rose to 12.0% from 11.7%.
- The ratio of males to females remained unchanged at 1.01 for the past two years.

FIGURE 1

POPULATION GROWTH WITH MAJOR COMPONENTS ALBERTA 1984-1986

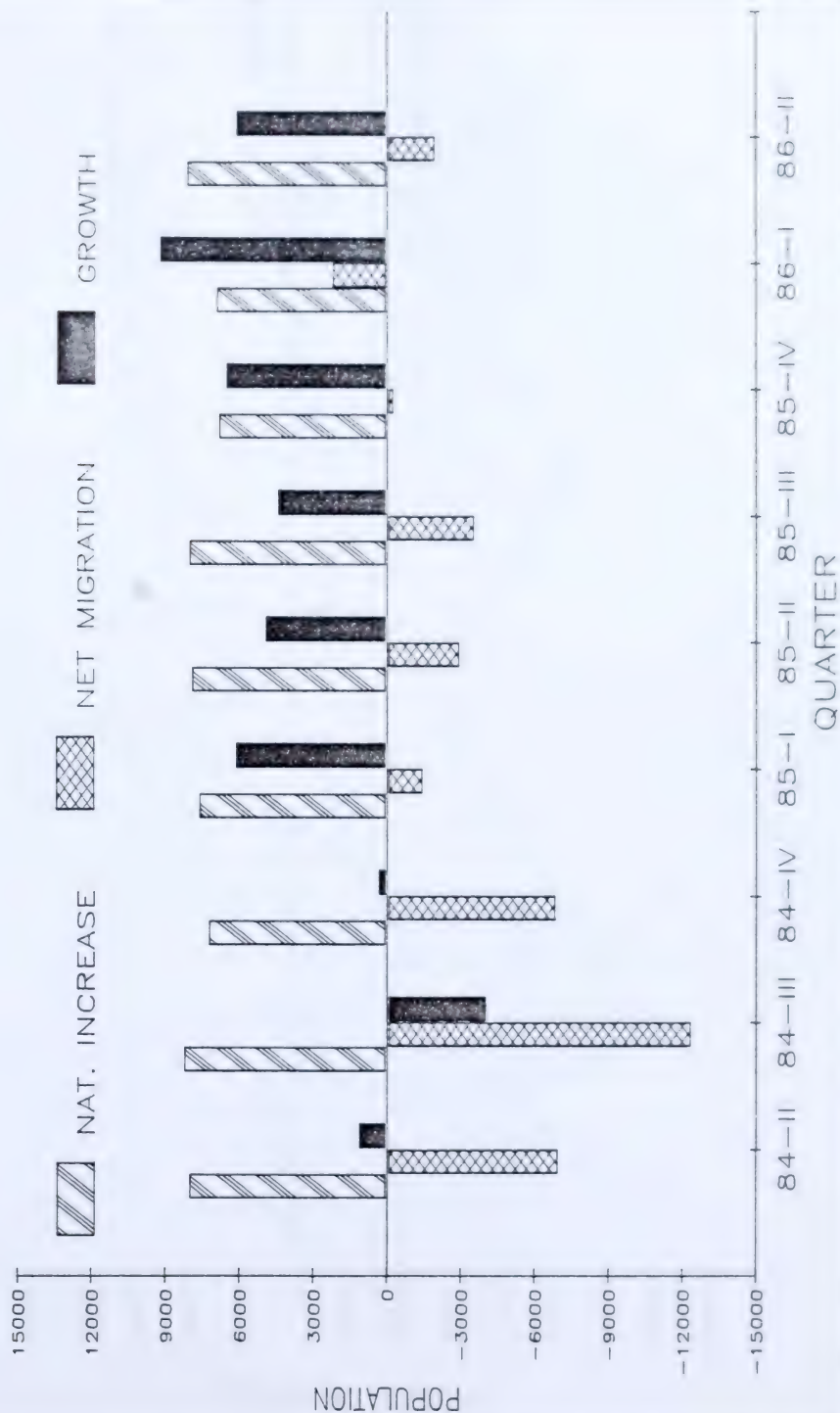


FIGURE 2

QUARTERLY INTERPROVINCIAL MIGRATION ALBERTA 1984--1986

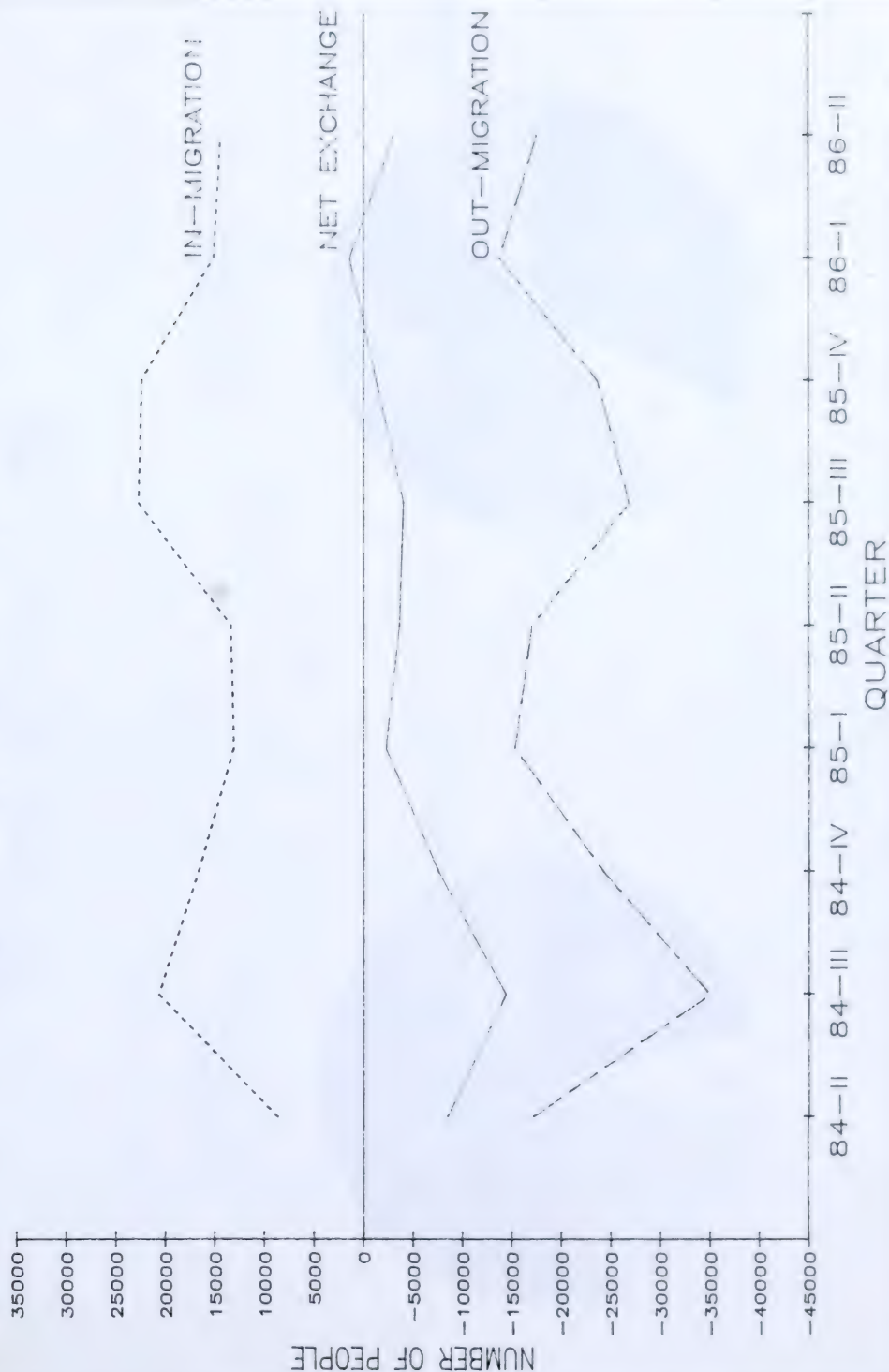
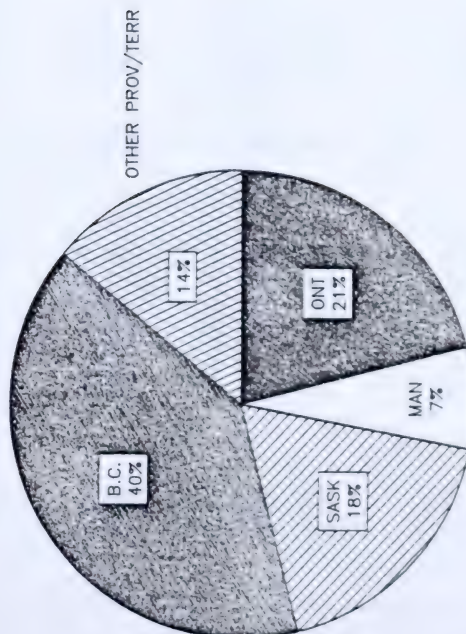


FIGURE 3

POPULATION EXCHANGE ALBERTA AND OTHER PROVINCES SECOND QUARTER 1986

IN-MIGRATION
(14,500 PERSONS)



OUT-MIGRATION
(17,500 PERSONS)

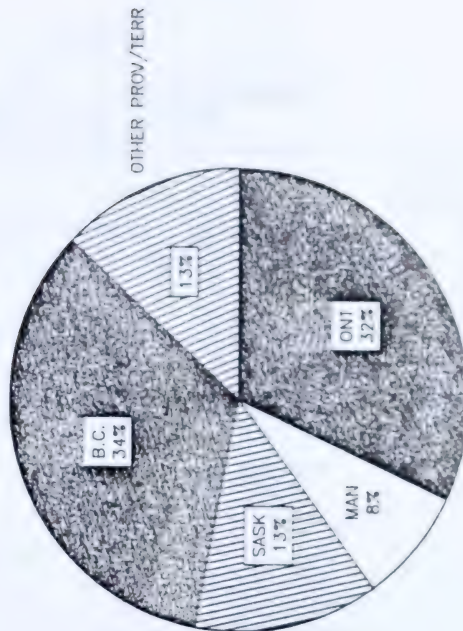


TABLE 1
POPULATION GROWTH BY MAJOR COMPONENT
ALBERTA, 1982 to 1986

Quarter	Natural Increase	Net Migration	Growth	Population	Growth Over Previous Year (%)
<u>1982</u>					
I	7,700	7,100	14,900	2,306,100	3.6
II	8,300	7,900	16,200	2,322,300	3.4
III	8,700	-100	8,500	2,330,800	2.6
IV	7,300	-200	7,100	2,337,900	2.0
TOTAL	32,000	14,700	46,700	2,337,900	2.0
<u>1983</u>					
I	7,900	-2,100	5,800	2,343,700	1.6
II	8,800	-5,300	3,400	2,347,100	1.1
III	8,700	-9,500	-800	2,346,300	0.7
IV	7,500	-5,800	1,700	2,348,100	0.4
TOTAL	32,900	-22,700	10,200	2,348,100	0.4
<u>1984</u>					
I	7,700	-5,900	1,800	2,349,800	0.3
II	8,100	-7,000	1,200	2,351,000	0.2
III	8,300	-12,400	-4,100	2,346,900	0
IV	7,300	-6,900	400	2,347,300	0
TOTAL	31,400	-32,200	-800	2,347,300	0
<u>1985</u>					
I	7,700	-1,500	6,200	2,353,500	0.2
II	8,000	-3,000	5,000	2,358,500	0.3
III	8,100	-3,600	4,500	2,363,000	0.7
IV	6,900	-300	6,600	2,369,600	1.0
TOTAL	30,700	-8,400	22,300	2,369,600	1.0
<u>1986</u>					
I ^r	7,100	2,300	9,400	2,379,000	1.1
II ^p	8,200	-2,000	6,200	2,385,200	1.1

Notes: Reference date for population is the first day of the subsequent quarter.

Data may not add to totals due to rounding.

r: revised

p: preliminary

TABLE 2
MIGRATION BY COMPONENT
ALBERTA, 1984 to 1986

Quarter	International			Interprovincial		
	Im- migration	Em- igration	Net	In Migration	Out Migration	Net
<u>1984</u>						
I	2,400	1,300	1,100	7,200	14,300	-7,100
II	3,000	1,500	1,500	8,700	17,200	-8,500
III	3,100	1,100	2,000	20,600	35,000	-14,400
IV	2,200	1,600	600	16,700	24,200	-7,500
TOTAL	10,700	5,500	5,200	53,200	90,600	-37,400
<u>1985</u>						
I	2,000	1,300	700	13,100	15,300	-2,200
II	2,000	1,400	600	13,400	17,000	-3,600
III	2,700	2,300	400	22,800	26,800	-4,000
IV	2,200	1,300	900	22,400	23,600	-1,200
TOTAL	8,900	6,300	2,600	71,700	82,700	-11,000
<u>1986</u>						
I	2,200	1,400	800	15,200	13,700	1,500
II ^P	2,500	1,400	1,100	14,500	17,500	-3,000

Notes: Data may not add to totals due to rounding.
r: revised
p: preliminary

TABLE 3

POPULATION EXCHANGE WITH OTHER PROVINCES
ALBERTA, 1984 to 1986

Quarter	Migration	NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	BC	TERR	TOTAL
1984												
I	To Alberta	180	20	150	165	270	1675	610	1100	2825	250	7,200
	From Alberta	205	120	595	280	910	5350	835	1670	4085	220	14,300
	Net Exchange	-25	-100	-445	-115	-640	-3675	-225	-570	-1260	30	-7,100
II	To Alberta	175	95	345	170	310	2040	790	1230	3255	245	8,700
	From Alberta	255	115	875	465	1345	5430	1035	2175	5280	200	17,200
	Net Exchange	-80	-20	-530	-295	-1035	-3390	-245	-945	-2025	45	-8,500
III	To Alberta	450	120	930	830	955	5400	1560	2825	7015	515	20,600
	From Alberta	585	255	1570	1005	2240	12860	1840	3525	10420	690	35,000
	Net Exchange	-135	-135	-640	-175	-1285	-7460	-280	-700	-3405	-175	-14,400
IV	To Alberta	430	75	675	475	890	4080	1155	2220	6260	395	16,700
	From Alberta	440	200	990	730	1390	8200	1430	2820	7595	355	24,200
	Net Exchange	-10	-125	-315	-255	-500	-4120	-275	-600	-1335	40	-7,500
TOTAL	To Alberta	1235	310	2100	1640	2425	13195	4115	7375	19355	1405	53,200
	From Alberta	1485	690	4030	2480	5885	31840	5140	10190	27380	1465	90,600
	Net Exchange	-250	-380	-1930	-840	-3460	-18645	-1025	-2815	-8025	-60	-37,400

See note at end of table.

TABLE 3 (continued)
POPULATION EXCHANGE WITH OTHER PROVINCES
ALBERTA, 1984 to 1986

Quarter	Migration	NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	BC	TERR	TOTAL
1985												
I	To Alberta	230	75	515	330	370	3100	830	2115	5285	250	13,100
	From Alberta	275	60	605	415	800	5310	910	1650	4935	305	15,300
	Net Exchange	-45	15	-90	-85	-430	-2210	-80	465	350	-55	-2,200
II	To Alberta	240	50	530	340	345	2525	925	2365	5755	360	13,400
	From Alberta	235	110	595	445	845	5815	1165	1870	5635	315	17,000
	Net Exchange	5	-60	-65	-105	-500	-3290	-240	495	120	45	-3,600
III	To Alberta	505	205	1065	685	750	5115	1905	3855	8025	645	22,800
	From Alberta	510	215	1110	645	1355	9290	1985	2515	8645	535	26,800
	Net Exchange	-5	-10	-45	40	-605	-4175	-80	1340	-620	110	-4,000
IV	To Alberta	505	85	995	480	775	3725	1425	3815	9880	755	22,400
	From Alberta	355	120	715	615	900	7650	1500	3145	8245	360	23,600
	Net Exchange	150	-35	280	-135	-125	-3925	-75	670	1635	395	-1,200
TOTAL	To Alberta	1480	415	3105	1835	2240	14465	5085	12150	28945	2010	71,700
	From Alberta	1375	505	3025	2120	3900	28065	5560	9180	27460	1515	82,700
	Net Exchange	105	-90	80	-285	-1660	-13600	-475	2970	1485	495	-11,000

See note at end of table.

TABLE 3 (concluded)

POPULATION EXCHANGE WITH OTHER PROVINCES

ALBERTA, 1984 to 1986

Quarter	Migration	NFLD	PEI	NS	NB	QUE	ONT	MAN	SASK	BC	TERR	TOTAL
1986												
I	To Alberta	380	65	470	330	355	3430	930	2400	6385	445	15,200
	From Alberta	185	60	365	175	645	4560	755	1800	4925	250	13,700
	Net Exchange	195	5	105	155	-290	-1130	175	600	1460	195	1,500
II ^p	To Alberta	355	60	480	290	440	3030	995	2595	5835	405	14,500
	From Alberta	295	75	580	325	715	5675	1345	2230	5960	345	17,500
	Net Exchange	60	-15	-100	-35	-275	-2645	-350	365	-125	60	-3,000

Note: Data may not add to totals due to rounding.
 Estimates are based on family allowance transfer statistics, Health and Welfare Canada.
 r: revised
 p: preliminary

TABLE 4
NATURAL INCREASE BY COMPONENT
ALBERTA, 1984 to 1986

Quarter	Births	Deaths	Natural Increase
<u>1984</u>			
I	10,900	3,200	7,700
II	11,300	3,200	8,100
III	11,300	3,000	8,300
IV	10,500	3,200	7,300
TOTAL	44,000	12,600	31,400
<u>1985</u>			
I	11,000	3,300	7,700
II	11,300	3,300	8,000
III	11,300	3,200	8,100
IV	10,400	3,500	6,900
TOTAL	44,000	13,300	30,700
<u>1986</u>			
I ^r	10,600	3,500	7,100
II ^p	11,600	3,400	8,200

Notes: Data may not add to totals due to rounding.
r: revised
p: preliminary

TABLE 5

POPULATION ESTIMATES BY FIVE-YEAR AGE GROUP AND SEX, ALBERTA

June 1, 1986

June 1, 1985

Age	Male			Female			Total			Male			Female			Total		
	No.	%		No.	%		No.	%		No.	%		No.	%		No.	%	
0-4	106,800	8.9		101,500	8.6		208,300	8.7		105,600	8.9		100,500	8.6		206,100	8.7	
5-9	96,000	8.0		90,900	7.7		186,900	7.8		95,000	8.0		89,900	7.7		185,000	7.8	
10-14	89,700	7.5		84,900	7.2		174,700	7.3		91,000	7.7		85,800	7.3		176,700	7.5	
15-19	94,400	7.9		91,100	7.7		185,400	7.8		93,900	7.9		90,900	7.8		184,900	7.8	
20-24	111,100	9.3		115,600	9.8		226,800	9.5		114,400	9.7		120,300	10.3		234,700	10.0	
25-29	131,600	10.9		128,700	10.8		260,200	10.9		132,100	11.2		128,800	11.0		260,900	11.1	
30-34	119,600	10.0		112,400	9.5		232,100	9.7		115,300	9.7		108,400	9.3		223,700	9.5	
35-39	97,100	8.1		92,700	7.8		189,800	8.0		93,100	7.9		89,000	7.6		182,100	7.7	
40-44	71,300	5.9		68,200	5.8		139,500	5.8		68,900	5.8		65,800	5.6		134,600	5.7	
45-49	57,100	4.8		54,500	4.6		111,600	4.7		56,000	4.7		53,300	4.5		109,200	4.6	
50-54	52,300	4.4		49,100	4.1		101,400	4.3		52,300	4.4		48,600	4.1		100,900	4.3	
55-59	47,900	4.0		45,700	3.9		93,600	3.9		46,800	3.9		45,200	3.9		92,000	3.9	
60-64	38,900	3.2		41,500	3.5		80,500	3.4		38,200	3.2		40,900	3.5		79,100	3.4	
65-69	30,300	2.5		34,300	2.9		64,700	2.7		29,200	2.5		33,200	2.8		62,400	2.6	
70-74	23,300	1.9		28,300	2.4		51,700	2.2		22,600	1.9		27,300	2.3		49,900	2.1	
75-79	15,800	1.3		20,500	1.7		36,200	1.5		15,500	1.3		19,700	1.7		35,200	1.5	
80-84	9,800	0.8		13,500	1.1		23,300	1.0		9,600	0.8		12,800	1.1		22,400	1.0	
85-89	4,300	0.4		7,500	0.6		11,800	0.5		4,100	0.3		7,100	0.6		11,200	0.5	
90+	2,100	0.2		4,100	0.3		6,300	0.3		2,100	0.2		4,000	0.3		6,100	0.3	
Total	1,199,600	100.0		1,185,100	100.0		2,384,700	100.0		1,185,700	100.0		1,171,500	100.0		2,357,200	100.0	

Notes: Age and sex distributions based on Alberta Health Care Registrations
Data may not add to totals due to rounding.

Prepared by: Alberta Bureau of Statistics

APPENDIX I

METHODOLOGY

Introduction

These estimates are derived using information from administrative data files obtained from the following government agencies:

- 1) birth and death registrations data from Vital Statistics Section, Community and Occupational Health;
- 2) family allowance transfer counts from Income Security Branch, Health and Welfare Canada;
- 3) immigration statistics from Employment and Immigration Canada;
- 4) migration adjustment factors and population estimates for other provinces from Demography Division, Statistics Canada; and
- 5) health care registration data from Alberta Hospitals and Medical Care.

The final estimates are produced using a component method. A description of the basic methodology and the procedures used in estimating each of the population growth components as well as the age-sex structure is presented in the following sections.

The Component Method

The component method of estimating quarterly population growth employs the population of a previous quarter as a base, and adds the natural increase plus net migration to derive the population estimates for the following quarter. Natural increase is obtained by subtracting deaths from births. Net migration is obtained by aggregating net inter-

provincial (in-migration minus out-migration) and net international migration (immigration minus emigration). These are then combined to derive an estimate of population growth. The general formulas used are as follows:

$$P_{t+1} = P_t + NI_{t+1} + NM_{t+1}$$

$$NI_{t+1} = B_{t+1} - D_{t+1}$$

$$NM_{t+1} = (M_{it+1} - M_{ot+1}) + (I_{t+1} - E_{t+1})$$

Where,

P_t = Population at time t

NI_{t+1} = Natural Increase during time interval t to $t+1$

B_{t+1} = Number of births during time interval t to $t+1$

D_{t+1} = Number of deaths during time interval t to $t+1$

NM_{t+1} = Net migration during time interval t to $t+1$

M_{it+1} = Number of in-migrants to Alberta from rest-of-Canada
during time interval t to $t+1$

M_{ot+1} = Number of out-migrants from Alberta to rest-of-Canada
during time interval t to $t+1$

I_{t+1} = Number of immigrants to Alberta from abroad during time
interval t to $t+1$

E_{t+1} = Number of emigrants from Alberta to abroad during time
interval t to $t+1$

Natural Increase

Natural increase is calculated as the difference between the number of births and the number of deaths that occurred during a specific quarter. Preliminary estimates on births and deaths are produced using birth and death rates. The average quarterly crude birth rate and the crude death rate of the preceding year are applied to the estimated provincial population at the beginning of the period to derive the estimated number of births and deaths. These estimates will be replaced by actual counts in a subsequent quarterly report when final vital statistics data are available from Vital Statistics Branch, Community and Occupational Health. These data on births and deaths are about 98% accurate. They also include births and deaths of visitors temporarily in Alberta and exclude those events occurring to Albertans in other provinces. However, final estimates are free from such errors.

Interprovincial Migration

To estimate interprovincial migration, family allowance transfer of accounts are used in conjunction with the latest adjustment factors and child-adult ratios. Since family allowance cheques are mailed to recipient families monthly, there is incentive for these families to report any change in their address. The time lag in reporting is usually very small. Family allowance transfer of accounts data are fairly complete in the coverage of the movements of children among the provinces, although limited by the shortcomings associated with administrative data files such as mis-reporting and reporting delays.

The procedures used in estimating interprovincial migration for Alberta have been improved by incorporating new findings from tax records migration data. Net interprovincial migration (Mp) is derived as the

balance of in-migration (M_i) and out-migration (M_o):

$$M_p = M_i - M_o$$

In-migration (M_i) is estimated as the sum of:

$$M_i = \sum_{k=1}^{10} (I_{ck} + I_{ak})$$

Where I_{ck} is the number of child-migrants from province k to Alberta obtained from family allowance, and I_{ak} is the number of adult-migrants from province k to Alberta estimated as follows:

$$I_{ak} = I_{ck} \cdot R_k \cdot F_{ik}$$

Where R_k is the adult-child ratio of the province of origin k , and F_{ik} is the adjustment factor for in-migration, i.e., the ratio of adult in-migration rate to the child in-migration rate as derived from tax record migration information. The adjustment factors are obtained from Demography Division, Statistics Canada.

Out-migration (M_o) is estimated as:

$$M_o = \sum_{k=1}^{10} (O_{ck} + O_{ak})$$

Where O_{ck} is the number of child-migrants from Alberta to province k . This is obtained from family allowance transfer of accounts data. O_{ak} is the number of adult-migrants from Alberta to province k . It is calculated as follows:

$$O_{ak} = O_{ck} \cdot R \cdot F_{ok}$$

Where R is the adult-child ratio of Alberta, and F_{ok} is the adjustment factor for out-migration supplied by Demography Division, Statistics Canada.

The adult-child ratios and the adjustment factors for in-migration (F_i) and out-migration (F_o) used in the computation of interprovincial migration are provided in Table A-1.

Table A-1
Adult Child Ratios and Migration Adjustment Factors by Province

	Adult-child Ratio	Adjustment Factor ¹ F_i	F_o
Newfoundland	2.0612	1.5634	0.9007
Prince Edward Island	2.4727	1.9027	1.0128
Nova Scotia	2.7429	1.0705	1.1270
New Brunswick	2.5238	1.1957	1.0030
Quebec	2.9946	1.3527	1.2562
Ontario	2.9592	0.9872	1.0501
Manitoba	2.7010	1.0798	0.9055
Saskatchewan	2.4595	1.1109	0.9952
Alberta	2.4849	--	--
British Columbia	3.0028	1.0424	1.2021
Yukon	2.2714	1.0265	0.7370
N.W. Territories	1.5969	1.6857	0.9131

Source: 1. Unpublished data provided by Demography Division, Statistics Canada

Immigration

The estimation of immigration is first produced on a preliminary basis and then revised when immigration statistics are available. Preliminary estimates are derived taking into consideration the expected number of immigrants to be admitted to Canada in a certain year as announced by Employment and Immigration Canada. Based on the immigration records for the previous year, a ratio is derived to estimate Alberta's share of immigrants.

Previous immigration statistics for Alberta are used to develop the appropriate quarterly ratio allocation of these immigrants. This ratio is applied to the annual number of immigrants expected to arrive in Alberta to obtain the quarterly immigration estimate.

Revised estimates on the number of immigrants coming to Alberta are based on immigration statistics supplied by Employment and Immigration Canada. These statistics are compiled from immigration papers which each immigrant submits to the Canadian authority at the port of entry. The immigration papers contain information on the intended place of destination and the place of origin of the immigrant. Since this information is available monthly, the quarterly estimate of immigration is simply the sum of the total number of immigrants intending to come to Alberta during the quarter. These revised figures can be obtained by the subsequent quarter and will replace the preliminary estimate.

Emigration

Emigration estimates are derived from a method developed by Statistics Canada in which an adjustment factor is developed from emigration information retrieved from personal income tax files. This adjustment factor is applied to the number of family allowance accounts which have been transferred out of the country during the quarter to obtain the emigration estimate. For 1986, the adjustment factor used is 0.905258 which is derived from personal income tax files for 1984, the most recent available.

An adult-child ratio based on health care registration records for Alberta is then applied to estimate the number of adult emigrants. The sum of estimated adult emigrants and the number of child emigrants, as indicated by family allowance data, equals to the total number of estimated emigrants. The estimation of the number of emigrants (E) is derived from the following formula:

$$E = E_C + E_a$$

Where E_C is the number of children leaving Canada as indicated by family allowance transfer of accounts data. E_a is the number of adult emigrants estimated as:

$$E_a = E_C \cdot R \cdot F_e$$

Where R is the child-adult ratio for Alberta and F_e is the emigration adjustment factor. This factor is the ratio of adult emigration rate to the child emigration rate as derived from tax records.

Age-Sex Structure

Age and sex distributions for the January 1 and June 1 estimated population are derived by applying the proportionate age and sex distributions as recorded in the Alberta Health Care Insurance Plan (AHCIP) Master Registration File for the same quarter to the estimated total population of Alberta. Although the health care records are subject to certain limitations such as reporting error, time lags and administrative changes, the age and sex distributions of registrants are generally useful in reflecting the most current age-sex structure of the Alberta population.

Limitations of the Population Estimates

The population estimates must be considered in light of the techniques and data sources on which the individual components of population change are based. Overall, the population change due to natural increase is most reliable, since the birth and death registration records are almost 100% complete and up-to-date. Of the other components of population change, migration estimates are more prone to error due to the limitations of the administrative data files used. Although family allowance, health care and tax records are excellent information sources on population and migration, they are subject to uncertainties in timeliness, completeness and reporting accuracy.

These files also differ in time comparability, collection methods and coverage. Alberta Bureau of Statistics has investigated the characteristics of each of these data files, in an attempt to identify the problem areas and to develop modifications in the methodology to reduce their effects on the population estimates. To this end, Alberta Bureau of Statistics has worked closely with Demography Division. Statistics Canada and will continue to monitor and test latest developments in population estimation methodology.

GLOSSARY

Birth rate, or crude birth rate - the number of births in a year divided by the total population.

Child dependency ratio - the ratio of children under 15 to persons between the ages of 15 and 64.

Death rate, or crude death rate - the number of deaths in a year divided by the total population.

Emigration - the migration of population out of a country to another country.

Fertility - the contribution of births to population change.

Immigration - the migration of population into a country from another country.

In-migration - the migration of population into a geographical area from another area.

Median Age - the age at which the population is divided into equal halves, such that one half of the population is older than the median age and the other half of the population is younger than the median age.

Migration - a permanent change of residence from one geographical area to another.

Natural Increase - the net contribution of births less deaths to population change.

Net Migration - the difference between in-migration and out-migration for a geographical area.

Out-migration - the migration of population out of a geographical area.

Sex Ratio - the proportion of males to females in a population.

